

PTO/SB/08a (07-09)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/589,377-Conf. #7109		
		Filing Date	August 14, 2006		
		First Named Inventor	Daniel J. Arriola		
		Art Unit	1796		
		Examiner Name	J. S. Lenihan		
Sheet	1	of	8	Attorney Docket Number	63558D

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA*	US-5,391,629	02-21-1995	Turner et al.	
	AB*	US-6,566,446	05-20-2003	Parikh et al.	
	AC*	US-3,873,642-A	03-25-1975	Jezl	
	AD*	US-5,468,810-A	11-21-1995	Hayakawa et al.	
	AE*	US-5,594,080-A	01-14-1997	Waymouth et al.	
	AF*	US-5,610,253-A	03-11-1997	Hatke et al.	
	AG*	US-5,733,980-A	03-31-1998	Cozewith et al.	
	AH*	US-5,798,420-A	08-25-1998	Cozewith et al.	
	AI*	US-5,969,070-A	10-19-1999	Waymouth et al.	
	AJ*	US-6,114,457-A	03-05-2000	Markel et al.	
	AK*	US-6,147,180-A	11-14-2000	Markel et al.	
	AL*	US-6,262,203-B1	07-17-2001	Chien et al.	
	AM*	US-6,566,544-B1	05-20-2003	Waymouth et al.	
	AN*	US-20040121922	06-24-2004	Okada et al.	
	AO*	US-20030027954	02-06-2003	Becker et al.	
	AP*	US-20040092662	05-13-2004	Soto et al.	
	AQ*	US-6,187,424	02-13-2001	Kellqvist et al.	
	AR*	US-6,197,404	03-06-2001	Varona	
	AS*	US-6,362,252	03-26-2002	Prutkin	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
	BA	WO-95/27746-A1	10-19-1995	Exxon Chemical Patents Inc		✓
	BB	WO-95/27745-A1	10-19-1995	Exxon Chemical Patents Inc		
	BC	WO-9834970-A2	08-13-1998	Exxon Chemical Patents Inc		
	BD	WO-9935175-A1	07-15-1999	Univ Leland Stanford Junior et al.		
	BE	WO-0037514-A1	06-29-2000	Exxon Chemical Patents Inc		
	BF	WO-02066540-A2	08-29-2002	Basell Poliolefine Spa et al.		

Examiner Signature	/Jeffrey Lenihan/	Date Considered	06/07/2010
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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with § 1.6(a)(4).

Dated: October 21, 2009

Electronic Signature for Jennifer Adamson: /Jennifer Adamson/

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Substitute for form 1449/PTO		Complete If Known	
		Application Number	10/589,377-Conf. #7109
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	August 14, 2006
		First Named Inventor	Daniel J. Arriola
		Art Unit	1796
		Examiner Name	J. S. Lenihan
		Attorney Docket Number	63558D
Sheet	2	of	8

U.S. PATENT DOCUMENTS					
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	AI*	US-6,937,472	03-25-2003	Masubuchi	
	AI*	US-6,815,023	11-09-2004	Tatarka et al	
	AV*	US-7,005,395	02-28-2006	Zafiroglu et al	
	AW*	US-20090105420	10-16-2009	Deelman et al	
	AX*	US-20030216518	11-20-2003	Tau et al	
	AY*	US-20040093750	04-20-2004	Tau et al	
	AZ*	US-20040182147	09-30-2004	Smith et al	
	AA1*	US-20060000003	01-13-2006	Morioka et al	
	AB1*	US-20060030667	02-09-2006	Valvac et al	
	AC1*	US-20040158011	08-12-2004	Iain et al	
	AD1*	US-20060200067	12-04-2006	Harding et al	
	AE1*	US-5,624,001	04-20-1997	Harada et al	
	AF1*	US-6,160,030	12-12-2000	Chaudhary et al	
	AG1*	US-6,455,639	09-24-2002	Laughner et al	
	AH1*	US-2,973,344	02-28-1961	Fasce	
	AI1*	US-4,146,402	03-27-1979	Cusano et al	
	AJ1*	US-4,299,931	11-10-1981	Coran et al	
	AK1*	US-4,420,070	01-31-1984	Shihata et al	
	AL1*	US-4,510,031	04-09-1985	Matsumura et al	

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	BG	WO-09044046-A1	02-20-2003	Bp Chem Int Ltd et al	
	BH	EP-0274900-A2	07-26-1990	Mitsubishi Petrochemical Co	
	BI	EP-0958018D1-A1	11-24-1999	Exxon Chemical Patents Inc	
	BJ	EP-1262400-A2	12-04-2002	Mitsui Chemicals Inc	
	BK	JP-2002-206007A-A	07-26-2002	Nat Inst Of Adv Ind & Technol et al.	
	BL	JP-2004-204058A-A	07-22-2004	Mitsui Chemicals Inc	

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		Number-Kind Code ² (if known)			
AM1*	US-4,700,220		10-25-1990	Gardner et al.	
AM1*	US-5,068,047		11-26-1991	Chung et al.	
AO1*	US-5,200,020		11-08-1992	Hart et al.	
AO1*	US-5,020,700		06-21-1991	Davey et al.	
AO1*	US-5,507,881		01-28-1997	Winter et al.	
AR1*	US-5,799,591		07-21-1999	Andrew et al.	
AS1*	US-5,016,052		06-20-1990	Jacoby et al.	
AT1	US-6,023,448		02-13-2000	Swindoll et al.	
AO1	US-6,036,068		06-01-2000	Abato et al.	
AV1	US-6,121,402		09-19-2000	Machida et al.	
AW1	US-6,130,391		10-24-2000	Lai et al.	
AX1	US-4,736,001		01-17-1993	Hazlett et al.	
AY1	US-6,008,202		12-28-1999	McKay et al.	
AZ1*	US-2,997,432		08-22-1961	Kohle, et al.	
AA2*	US-5,066,984		02-09-1999	Winter et al.	
AD1*	US-5,000,070		04-06-1990	Niekas	
AO2*	US-5,334,255		11-08-1993	Niekas et al.	
AD2*	US-6,323,284		11-27-2001	Peacock	
AE2	US-20060080007		05-05-2006	Stevens et al.	

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	BM	EP-1026184-A1	08-09-2000	Grand Polymer Co Ltd		
	BN	WO-05/000426-A1	09-20-2005	Dow Global Technologies Inc et al.		
	BO	EP-02079322-A1	07-22-2009	Symrise GmbH & Co Kg		
	BP	EP-0877050-A2	11-11-1998	Dow Chemical Co		
	BQ	JP-2004204050-A	07-22-2004	Mitsui Chemicals Inc		
	BR	WO-2004046214-A2	06-03-2004	Exxonmobil Chem Patents Inc et al.		

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				Filing Date	August 14, 2006
				First Named Inventor	Daniel J. Arriola
				Art Unit	1796
				Examiner Name	J. S. Lenihan
Sheet	4	of	8	Attorney Docket Number	63558D

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		Number-Kind Code ² (if known)			
	AF2*	US-20030195308	10-16-2003	Waymouth et al.	
	AG2*	US-6,386,341	04-30-2002	Waymouth et al.	
	AH2*	US-20020107341	08-08-2002	Murray et al.	
	AI2*	US-20020168141	10-31-2002	Mawson et al.	
	AJ2*	US-20040044154	03-04-2004	Kuo et al.	
	AK2*	US-20030153689	08-14-2003	Mehta et al.	
	AL2*	US-20030114623	06-19-2003	Mitani et al.	
	AM2*	US-6,169,151	01-02-2001	Waymouth et al.	
	AN2*	US-5,210,338	05-11-1993	Samsel	
	AO2*	US-5,276,220	01-04-1994	Samsel et al.	
	AP2*	US-6,444,867	09-03-2002	Samsel et al.	
	AQ2*	US-3,970,719	07-20-1976	Edmonds, Jr.	
	AR2*	US-4,039,632	08-02-1977	Edmonds, Jr.	
	AS2*	US-4,971,936	11-20-1990	Wilson et al.	
	AT2*	US-5,089,573	02-18-1992	Job	
	AU2*	US-5,118,767	06-02-1992	Job	
	AV2*	US-5,118,768	06-02-1992	Job et al.	
	AW2*	US-5,134,209	07-28-1992	Job et al.	
	AX2*	US-5,229,477	07-20-1993	Job et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BS	WO-9849211-A1	11-05-1998	Dow Chemical Co et al.		
	BT	WO-03022890-A1	03-20-2003	Exxonmobil Chem Patents Inc et al.		
	BU	EP-1197500-A1	04-17-2002	Mitsui Chemicals Inc		
	BV	WO-9834970-A1	08-13-1998	Exxon Chemical Patents Inc		
	BW	EP-470171-A1	02-12-1992	Shell Oil Co		
	RX	EP-509530-A1	09-02-1992	Shell Oil Co		

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Sheet	6	of	8	Attorney Docket Number	63558D

NON PATENT LITERATURE DOCUMENTS			
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	CA	LIEBER SUSANNA ET AL: "Propene polymerization with catalyst mixtures containing different ansa-zirconocenes: chain transfer to alkylaluminum cocatalysts and formation of steroblock polymers" MACROMOLECULES; MACROMOLECULES Dec 2000 ACS, Washington, DC. USA, vol 33, no. 26, December 2000 (2000-12), Pages 9192- 9199	
	CB	PRZYBYLA, FINK: "Two Different on the same silica supported metallocene catalysts, activated by various trialkylaluminums" ACTA POLYMERIC, vol. 50, 21 April 1999 (1999-04-21), pages 73-83.	
	CC	CHIEN JAMES C W ET AL: " Homogeneous binary zirconocenium catalysts for propylene polymerization. II. Mixtures of isospecific and syndiospecific zirconocene systems" J POLYM SCI PART A; POLYMER CHEMISTRY 1999 JOHN WILEY & SONS INC. NEW YORK, NY USA. vol 37, no. 17, 1999. pages 2439 - 2445	
	CD	TANIM B S ET AL: " Blends of single-site linear and branched polyethylene. I. Thermal characterisation" POLYMER, ELSEVIER SCIENCE PUBLISHERS B.V., GB. vol 42, no 12, June 2001 (2001-06), pages 5389 - 5399	
	CE	STARCK P ET AL "Thermal properties of ethylene/long chain alpha olefin copolymers produced by metallocenes" JANUARY 2002 (2002-01), EUROPEAN POLYMERS JOURNAL, PERAMON PRESS, LONDON, GB, pages 97 - 107	
	CF	YOON J-S ET AL: "Thermal and mechanical properties of ethylene/alpha-olefin copolymers produced over (2-MeInd) 2ZrCl2/MAO system" June 2000 (2000-06, POLYMER ELSEVIER SCIENCE PUBLISHERS B.V. GB. pages 4523 - 4530.	
	CG	BRUASETH I ET AL: "Crystallization analysis fractionation of ethene/1-hexene copolymers made with the MAO-activated dual -site (1,2,4- Me3Cp)..." October 2004 (2004-10), POLYMER, ELSEVIER SCIENCE PUBLISHERS B.V. GB. pages 7853 - 7861.	
	CH	GRAEF S M ET AL: "Copolymerization of propylene with higher alpha-olefins in the presence of the syndiospecific catalysts i-Pr (Cp) (9-Flu)..... 1 January 2002, J POLYM SCI PART A; JOURNAL OF POLYMER vol. 40, no. Pages 128 - 140	
	CI	ROSTHAUSER J W ET AL: " MECHANICAL AND DYNAMIC MECHANICAL PROPERTIES OF POLYURETHANE AND POLYURETHANE/POLYUREA ELASTOMERS BASED ON 4, 4-DIISOCYANATODICYCLOHEXYL METHANE" 2 May 1997 (1997-05-02) JOURNAL OF APPLIED POLYMER SCIENCE, JOHN WILEY AND SONS INC. NEW YORK, NY, US. pages 957-970	
	CJ	BASAK SHAM: " Zurcon Z20/Z22" 10 August 2002 (2002-08-10), BUSAK SHAMM BAN , CRISSER, the whole document	

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	CK	Geotze, Huetel, and Reinartz in Angew. Chem. Int. Ed. 41, 2236-2257 (2002);	
	CL	Liu and Rytter, Macromolecular Rapid Comm. 22, 952-956 (2001);	
	CM	Brucato and Rytter, Macromolecules 36, 3026-3034 (2003);	
	CN	[S]cores and Kim (J. Polym. Sci. Part A: Polym. Chem. 38, 1408-1432 (2000)	
	CO	Holland and Kamickay (Makromol. Chem. 193, 601-610 (1992);	
	CP	Polym. Sci. Part A Polym. Chem. 37, 2439-2445 (1999);	
	CQ	Chein, James, et al.; Macromolecules, 30, 3447-3458, 1997.	
	CH	Przybyla and Fink (Acta Polym. 50 77-83 (1999);	
	CG	Lieber And Brintzinger (Macromol. 3, 9192-9199 (2000);	
	CI	Rytter, et al. Polymer 45, 7853-7861;	

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Substitute for form 1449/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/589,377-Conf. #7109		
		Filing Date	August 14, 2006		
		First Named Inventor	Daniel J. Arriola		
		Art Unit	1796		
		Examiner Name	J. S. Lenihan		
Sheet	8	of	8	Attorney Docket Number	63558D

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CU	JAC, 2004, 126, 10701 - 10712, Gibson et al	
	CV	Office Communication dated 13.05.2009 to Vereenigde from EPO; 2 pages	
	CW	Office Action dated 17.04.2008 to Vereenigde from EPO; 3 pages.	
	CX	Response to Office Action dated January 19, 2009 from Vereenigde to EPO; regarding EPO office Action sent to Vereenigde dated April 17, 2008.	

Examiner Signature	/Jeffrey Lenihan/	Date Considered	06/07/2010
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

All references on this page were already considered in response to the IDS filed 10/21/2009.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./